Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 0.00 | Rating ** | Α | Issue No. | | 6 | |
|--|-----------|----------------|----------|------------|--------|--------------|---|
| LM End | 0.00 | Issue Type + | Ma | Location * | | N/A | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | |
| Calegory | | | | Start | | End | |
| Item | | s & Maintena | nce | | 0 | | 0 |
| item | Manuals | | 0 | | | | 0 |
| DWR ID | DWR_RD0 | 900_01_f _ 201 | 8_6 | | | | |
| | | Comn | nent Cod | le | | | |
| | | | | | | | |
| | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
| This LMA has the updated O&M manuals for the district. | | | | | | | |
| | | | | | | | |
| | | | | | | | |

No Photos

Rating ** Issue No. LM Start 0.00 Α 12 Location * 0.00 Issue Type + Ма N/A LM End Earthen Levee GPS Latitude/Longitude Category End **Emergency Supplies &** Item Equipment DWR ID DWR_RD0900_01_s _ 2013_12 Comment Code

No Photos

Inspector Comment

This LMA has an adequate amount of sandbags, sand, and various flood fight supplies in their possession.

| LM Start | 0.00 | Rating ** | Α | Issue No. | 16 | | |
|----------|-------------------------------|------------------------------|----------|------------|-----|--|---|
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A | | |
| Category | Earthen L | Levee GPS Latitude/Longitude | | | | | |
| Calegory | | | | Start | End | | |
| Item | Flood Preparedness & Training | | | | 0 | | 0 |
| пеш | | | | | 0 | | 0 |
| DWR ID | DWR_RD0 | 900_01_s _ 201 | 3_16 | | | | |
| | | Comn | nent Coo | le | | | |
| | | | | | | | |
| | | | | | | | |

Inspector Comment

No Photos

The crews in this LMA have taken the flood fighting training course provided by DWR.

| * Location | ** Rating | | + Issue Type |
|-----------------------------------|--------------------------|---|-----------------------------------|
| LS: Land Side N/A: Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiancy |
| WS: Water Side | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence |
| CR : Crown | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En: Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 1.79 | Rating ** | М | Issue No. | | 33 | |
|--------------------------|---------------|----------------|----------|------------------------|-------|---------------|--|
| LM End | 1.79 | Issue Type + | Ма | Location * | | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | | |
| Category | | | | Start | | End | |
| Item | Vegetatio | n | | 38.5601 | 43 ° | 38.560143 ° | |
| пеш | | | | -121.521195 ° | | -121.521195 ° | |
| DWR ID | DWR_RD0 | 900_01_s _ 201 | 9_33 | | | | |
| | | Comn | nent Cod | le | | | |
| V1 : Contro easements | • | grass and wee | ds on th | e levee slop | oes a | and | |
| | | Inspecto | or Comm | nent | | | |
| | | | | | | | |

No Photos

| LM Start | 2.05 | Rating ** | A/W | Issue No. | | 36 | |
|------------------------|-----------|----------------|------|------------------------|------|-------------|---|
| LM End | 2.05 | Issue Type + | Ma | Location * | | WS | |
| Category Earthen Levee | | | | GPS Latitude/Longitude | | | |
| Calegory | | | | Start | | End | |
| Item | Slope Sta | bility | | 38.5578 | 65 ° | 38.557865 | 0 |
| пеш | | | | -121.5181 | 75 ° | -121.518175 | 0 |
| DWR ID | DWR_RD0 | 900_01_s _ 201 | 8_36 | | | | |

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

LMA repaired slope damage, but vehicles continue to access river.

Photo 1 of 1 : SP_2019_RD0900_230_36_20190307_00008.jpg



View of slope damage from vehicular traffic. Fall 2018

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 2.35 | Rating ** | A/W | Issue No. | | 29 | |
|--------------|---------|----------------|---------|------------|-------------|-------------|---|
| LM End | 2.47 | Issue Type + | Ма | Location * | WS | | |
| Supplemental | | | GPS Lat | itud | e/Longitude | | |
| Calegory | | | | Start | | End | |
| Item | | ACE Erosion S | Survey, | 38.55427 | 7° | 38.552504 | 0 |
| пеш | DRAFT | | | -121.51526 | 3° | -121.514752 | 0 |
| DWR ID | DWR_RD0 | 900_01_s _ 201 | 9_29 | | | | |

No Photos

Inspector Comment

Comment Code

2017 Site ID: SAC 56.7 R

Status: Eroding

2017 Field Notes: Fresh toe erosion. New rock placed.

Site History: 2007 - Have good berm width with minor toe erosion. Close to the levee toe protection, but levee slope is steep. 2011 - New large erosion pocket. 2012 - Minor new erosion at the toe. Spring 2019 DWR Inspection: Levee was repaired.

| LM Start | 2.37 | Rating ** | A/W | Issue No. | | 17 |
|----------------------------------|--------------|--------------|------------------------|------------|------|--------------|
| LM End | 2.37 | Issue Type + | Ma | Location * | LS | |
| Category Earthen Levee | | | GPS Latitude/Longitude | | | |
| Calegory | | | | Start End | | |
| Itom | Erosion / | Bank Caving | | 38.55387 | 77° | 38.553877° |
| Item -121.51 | | | | | 75 ° | -121.515575° |
| DWR ID DWR_RD0900_01_s _ 2019_17 | | | | | | · |
| | Comment Code | | | | | |

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair erosion of landside berm.

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 2.55 | Rating ** | A/W | Issue No. | | 28 | |
|----------------------------------|--------------|---------------|------------|----------------------|--------------|------------|--|
| LM End | 2.64 | Issue Type + | Ма | Location * | | WS | |
| Category | | | GPS La | titud | le/Longitude | | |
| Calegory | | | | Start End | | | |
| Item | | ACE Erosion S | Survey, | 38.5513 ² | 19° | 38.550090° | |
| пеш | DRAFT | | -121.51442 | 23 ° | -121.513983° | | |
| DWR ID DWR_RD0900_01_s _ 2019_28 | | | | | | | |
| | Comment Code | | | | | | |

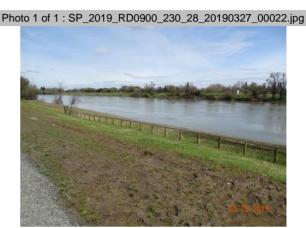
Inspector Comment

2017 Site ID: SAC 56.5 R

Status: Eroding

2017 Field Notes: Fresh toe erosion.

Site History: 1997 - Low berm is contributing to erosion. Old timber pile dikes above water parallel to bank. The upstream mitigation low berm causes a flow separation at the site. 1999 - Some new localized erosion with less thank one foot of bank retreat. 2000 - Some new erosion at the upstream end. Fat toe deposits at toe. 2003 - Some new erosion upstream, but have a wide berm. 2011 - Minor new erosion at toe. Spring 2019 DWR Inspection: Erosion was repaired.



View looking upstream at repaired erosion site. Spring 2019

| LM Start | 3.27 | Rating ** | A/W | Issue No. | | 27 | |
|----------------------------------|----------------------------|--------------|-------|------------------------|------|---------------|--|
| LM End | 3.48 | Issue Type + | Ma | Location * | WS | | |
| Category Supplemental | | | | GPS Latitude/Longitude | | | |
| Calegory | | | Start | | End | | |
| Item | 2017 USACE Erosion Survey, | | | 38.5412 | 46° | 38.538689° | |
| пеш | DRAFT | | | -121.5135 | 61 ° | -121.515916 ° | |
| DWR ID DWR_RD0900_01_s _ 2019_27 | | | | | | | |
| Comment Code | | | | | | | |

Inspector Comment

2017 Site ID: SAC 55.7 R

Status: Critical

2017 Field Notes: Fresh toe erosion. Site upgraded to critical. A setback levee is under construction behind this site.

Site History: 2008 - Erosion into levee toe. Over steepened levee slope, worst at the upstream end. 2009 - Near vertical banks from rotational slumping, hidden by vegetation. 2010 - Boat sinking more, may be causing eddy scour around it. Difficult to see the vertical slumps due to dense vegetation. 2011 - Minor new erosion at the toe. The paddleboat that was sitting at this site for years has been removed. 2012 - Site extended upstream due to additional erosion. 2016 - New rock on slope at upstream end. Spring 2019 DWR Inspection: Levee is repaired.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 3.32 | Rating ** | М | Issue No. | | 357 |
|----------|--------------|-----------------------------|------------|------------------------|---------------|-------------|
| LM End | 3.32 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| Calegory | Calegory | | | Start | | End |
| Item | DWR UCI | DWR UCIP LMA Responsibility | | |)3 ° | 38.540803 ° |
| пеш | | | -121.51425 | 55 ° | -121.514255 ° | |
| DWR ID | 17769 | | | | | |

Inspector Comment

Comment Code

FS_ID:37668 DS_ID:17769 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 02/26/2018 Pipe is located within the construction limits of the Levee Improvement Project for RD0900, As-builts PENDING Project Completion. -- UNDER CONSTRUCTION Levee Improvement Project, construction schedule Summer 2016 to November 2018. Levee improvements address through seepage, underseepage and slope stability and include strengthen-in-place improvements and construction of a setback levee. Reference: [Issued FOR CONSTRUCTION] West Sacramento Area Flood Control Agency Southport Levee Improvement Project Early Implementation Program. Southport Sacramento River Levee: (Stat 3+90 to Station 287+57). Volume 3 (W.O. # 41164) December 2016 Conformed Submittal. HDR Engineering Inc. Folsom, CA - (DWR UCIP - O. Magana) 10/06/2009 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - O. Magana)
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 22.0 feet below the crown. Pump house at the landside (LS) toe. Screw gate in LS of the levelAdditional Reference(s): USACE Sacramento O&M Manual Unit No. 116, August 1955, revised 2011, (USGS River Mile [RM] 55.65), As-built drawing# 6-13-1100 page 3, January 1933] FS Date: 10/6/2009

| LM Start | 3.32 | Rating ** | М | Issue No. | 357 (cont) |
|----------|------|--------------|----|------------|------------|
| LM End | 3.32 | Issue Type + | Ma | Location * | |



View of concrete structure located on landward side.

Photo 2 of 3: UCIP_SP_2019_37668_68390.jpg



Pump house located on landward side.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 3.32 | Rating ** | М | Issue No. | 357 (cont) | |
|--------------|--------------|--------------|-----------|------------------------|------------|---------------|
| LM End | 3.32 | Issue Type + | Ма | Location * | | |
| Category | | | | GPS Latitude/Longitude | | |
| Calegory | Calegory | | | Start | | End |
| Item | DWR UC | IP LMA Respo | nsibility | 38.54080 |)3 ° | 38.540803 ° |
| пеш | | | | -121.5142 | 55 ° | -121.514255 ° |
| DWR ID | DWR ID 17769 | | | | | |
| Comment Code | | | | | | |

Inspector Comment

FS_ID:37668 DS_ID:17769 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 02/26/2018 Pipe is located within the construction limits of the Levee Improvement Project for RD0900, As-builts PENDING Project Completion. -- UNDER CONSTRUCTION Levee Improvement Project, construction schedule Summer 2016 to November 2018. Levee improvements address through seepage, underseepage and slope stability and include strengthen-in-place improvements and construction of a setback levee. Reference: [Issued FOR CONSTRUCTION] West Sacramento Area Flood Control Agency Southport Levee Improvement Project Early Implementation Program. Southport Sacramento River Levee: (Stat 3+90 to Station 287+57). Volume 3 (W.O. # 41164) December 2016 Conformed Submittal. HDR Engineering Inc. Folsom, CA - (DWR UCIP - O. Magana) 10/06/2009 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch pipe through the levee, 22.0 feet below the crown. Pump house at the landside (LS) toe. Screw gate in LS of the levelAdditional Reference(s): USACE Sacramento O&M Manual Unit No. 116, August 1955, revised 2011, (USGS River Mile [RM] 55.65), As-built drawing# 6-13-1100 page 3, January 1933] FS Date: 10/6/2009



Pipe visible on waterward side visible through dense vegetation.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 3.41 | Rating ** | С | Issue No. | | 4 | |
|---------------------------------|-----------|--------------|-----------|---------------|-------|---------------|--|
| LM End | 3.41 | Issue Type + | Ma | Location * | | WS | |
| Earthen Levee | | | | GPS La | tituc | le/Longitude | |
| Category | | | | Start | | End | |
| Item | Slope Sta | bility | | 38.5397 | 70° | 38.539770 ° | |
| пеш | item | | | -121.5152 | 76° | -121.515276 ° | |
| DWR ID DWR_RD0900_01_s _ 2014_4 | | | | | | | |
| | | Comn | nent Cod | le | | | |
| S2 : Repai where pos | | slope damag | jed by fo | ot traffic an | d pr | event access | |
| Inspector Comment | | | | | | | |
| This issue was corrected. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

No Photos

| LM Start | 4.04 | Rating ** | С | Issue No. | | 327 | | |
|---|-----------------------------------|--------------|----------|---------------|--------|---------------|--|--|
| LM End | 4.04 | Issue Type + | Ma | Location * | | LS | | |
| Category Earthen Levee | | | | GPS La | atitud | e/Longitude | | |
| Category | | | | Start | | End | | |
| Item | Encroachments | | | 38.5347 | 59° | 38.534759° | | |
| item | | | | -121.524902 ° | | -121.524902 ° | | |
| DWR ID | DWR ID DWR_RD0900_01_s _ 2012_327 | | | | | | | |
| | | Comn | nent Cod | le | | | | |
| DE : Debri | S | | | | | | | |
| | | | | | | | | |
| Inspector Comment | | | | | | | | |
| Concrete was removed during construction. | | | | | | | | |

No Photos

| LM Start | 4.10 | Rating ** | С | Issue No. | | 54 | | |
|--|---------------|----------------|---------------|------------|---------------|--------------|--|--|
| LM End | 4.10 | Issue Type + | Ма | Location * | LS | | | |
| Earthen Levee | | | | GPS La | atitud | le/Longitude | | |
| Category | | | Start | | End | | | |
| Item | Encroachments | | | 38.534364° | | 38.534364° | | |
| item | | | -121.526051 ° | | -121.526051 ° | | | |
| DWR ID | DWR_RD0 | 900_01_s _ 201 | 2_54 | | | | | |
| | | Comn | nent Cod | de | | | | |
| DE : Debri | s | | | | | | | |
| | | | | | | | | |
| Inspector Comment | | | | | | | | |
| Concrete debris was removed during construction. | | | | | | | | |

| * Location | ** Rating | | + Issue Type |
|-------------------------------------|--------------------------|---|-----------------------------------|
| LS : Land Side N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiancy |
| WS: Water Side | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence |
| CR : Crown | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En: Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 4.95 | Rating ** | С | Issue No. | | 330 |
|------------|-----------|----------------|----------|------------|--------|--------------|
| LM End | 4.95 | Issue Type + | Ma | Location * | | WS |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude |
| Calegory | | | | Start | | End |
| Item | Encroach | ments | | 38.5248 | 98° | 38.524898 ° |
| пеш | | | | -121.5296 | 74 ° | -121.529674° |
| DWR ID | DWR_RD0 | 900_01_s _ 201 | 2_330 | | | |
| | | Comn | nent Cod | le | | |
| DE : Debri | S | | | | | |
| | | | | | | |
| | | Inspecto | or Comm | nent | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

No Photos

Rating ** Issue No. LM Start 7.00 С 24 Location * 7.03 Issue Type + Ма WS LM End GPS Latitude/Longitude Earthen Levee Category Vegetation 38.513834° 38.513556° Item -121.554017° -121.554283 ° DWR ID DWR_RD0900_01_s _ 2018_24 Comment Code

No Photos

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

| LM Start | 7.10 | Rating ** | С | Issue No. | | 343 | | |
|-------------|-------------------|----------------|----------|---------------|--------|--------------|---|--|
| LM End | 7.10 | Issue Type + | Ma | Location * | | LS | | |
| Category | Earthen L | evee | | GPS L | atitud | le/Longitude | | |
| Category | | | | Start | | End | | |
| Item | Encroach | ments | | 38.5126 | 642° | 38.512642 | 0 | |
| пеш | | | | -121.554881 ° | | -121.554881 | 0 | |
| DWR ID | DWR_RD0 | 900_01_s _ 201 | 2_343 | | | | | |
| | | Comn | nent Cod | le | | | | |
| DE : Debri | S | | | | | | | |
| | | | | | | | | |
| | Inspector Comment | | | | | | | |
| Concrete of | debris was | removed duri | ng const | ruction. | | | | |

| * Location | ** Rating | | + Issue Type |
|-----------------------------------|--------------------------|---|-----------------------------------|
| LS: Land Side N/A: Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiancy |
| WS: Water Side | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence |
| CR : Crown | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 7.70 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 7.47 | Rating ** | A/W | Issue No. | | 59 |
|----------------------------------|-----------|--------------|-------|-------------|------|---------------|
| LM End | 7.47 | Issue Type + | Ma | Location * | | WS |
| Category | evee | GPS La | titud | e/Longitude | | |
| Calegory | | | | Start | | End |
| Item | Vegetatio | n | | 38.5076 | 48 ° | 38.507648 ° |
| пеш | | | | -121.5575 | 71 ° | -121.557571 ° |
| DWR ID DWR_RD0900_01_f _ 2012_59 | | | | | | |

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

LMA sprayed Arundo on the waterside slope of the levee, but vegetation needs to be removed.

Photo 1 of 1 : SP_2019_RD0900_230_59_20190307_00012.jpg



View of the arundo on the waterside of the levee during spring 2017 inspection.

| LM Start | 7.78 | Rating ** | A/W | Issue No. | | 15 | |
|----------------------------------|-----------|--------------|-----|------------|------------|--------------|---|
| LM End | 7.78 | Issue Type + | Ма | Location * | ation * WS | | |
| Earthen Levee | | | | GPS La | atitud | le/Longitude | |
| Category | | | | Start | | End | |
| Item | Vegetatio | n | | 38.5034 | 90° | 38.503490 | 0 |
| item | | | | -121.5597 | 70° | -121.559770 | 0 |
| DWR ID DWR_RD0900_01_f _ 2013_15 | | | | | | | |

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

LMA sprayed Arundo on the waterside, but dead vegetation needs to be removed.

| Pho | oto 1 of 2 : 3 | SP_2019_ | RD0900_2 | 30_15_20 | 190307_0000 | J3.jpg |
|-----|----------------|----------|----------|----------|-------------|--------|
| | | | | | | |



Picture of the arundo on the waterside of the levee during spring 2016 inspection.

 LM Start
 7.78
 Rating **
 A/W
 Issue No.
 15 (cont)

 LM End
 7.78
 Issue Type +
 Ma
 Location *
 WS

Photo 2 of 2: SP_2019_RD0900_230_15_20190307_00004.jpg



View of arundo on the waterside of the levee looking downstream.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 0.00 | Rating ** | Α | Issue No. | | 41 | |
|---------------------------------------|-----------|----------------|----------|-------------|--------|---------------|--|
| LM End | 0.87 | Issue Type + | Ma | Location * | | LS | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Vegetatio | n | | 38.5820 | 85° | 38.574708° | |
| пеш | | | | -121.5678 | 99° | -121.580222 ° | |
| DWR ID | DWR_RD0 | 900_02_s _ 201 | 9_41 | | | | |
| | | Comn | nent Cod | de | | | |
| V1 : Contre easements | • | grass and wee | ds on th | e levee slo | pes a | and | |
| | | Inspecto | or Comm | nent | | | |
| Annual vegetation is well-maintained. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



View of well-maintained landside vegetation. Spring 2019

| LM Start | 0.00 | Rating ** | Α | Issue No. | | 42 | | |
|----------------------------------|-----------|--------------|----|------------|--------|---------------|--|--|
| LM End | 0.87 | Issue Type + | Ma | Location * | WS | | | |
| Earthen Levee | | | | GPS La | atitud | le/Longitude | | |
| Category | | | | Start | | End | | |
| Item | Vegetatio | n | | 38.5820 | 85 ° | 38.574708 ° | | |
| пеш | | | | -121.5678 | 99° | -121.580222 ° | | |
| DWR ID DWR_RD0900_02_s _ 2019_42 | | | | | | | | |
| | | | | | | | | |

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Annual vegetation is well-maintained.



View of well-maintained waterside vegetation. Spring 2019

| LM Start | 1.47 | Rating ** | М | Issue No. | | 48 | |
|-----------|-----------|----------------|----------|------------|--------|---------------|--|
| LM End | 1.47 | Issue Type + | Ma | Location * | | WS | |
| Category | Earthen L | .evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Encroach | ments | | 38.5668 | 60° | ° 38.566860 | |
| item | | | | -121.5822 | 50° | -121.582250 ° | |
| DWR ID | DWR_RD0 | 900_02_s _ 201 | 9_48 | | | | |
| | | Comn | nent Cod | le | | | |
| TR : Tree | or limb | | | | | | |

Inspector Comment

Remove tree debris on slope.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 2.43 | Rating ** | М | Issue No. | | 45 | | | |
|-----------|--|--------------|----------|------------|-----|---------------|--|--|--|
| LM End | 2.43 | Issue Type + | Ma | Location * | | WS | | | |
| Category | Earthen Levee GPS Latitude/Longitu | | | | | | | | |
| Calegory | | | | Start | | End | | | |
| Item | Encroach | ments | | 38.5529 | 22° | 38.552922 ° | | | |
| item | | | | -121.5822 | 02° | -121.582202 ° | | | |
| DWR ID | DWR ID DWR_RD0900_02_s _ 2019_45 | | | | | | | | |
| | | Comn | nent Cod | le | | | | | |
| TR : Tree | or limb | | | | | | | | |
| | | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | | |
| Remove tr | Remove tree debris on waterside slope. | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| LM Start | 3.26 | Rating ** | М | Issue No. | | 15 | | | | |
|-----------|--|-------------------------------------|----------|--------------|----|-----|--|--|--|--|
| LM End | 3.26 | Issue Type + | Ma | Location * | LS | | | | | |
| Category | evee | GPS La | atitud | le/Longitude | | | | | | |
| Calegory | | | | Start | | End | | | | |
| Item | Encroach | Encroachments 38.540943 ° 38.540943 | | | | | | | | |
| пеш | -121.582280 ° -121.58228 | | | | | | | | | |
| DWR ID | DWR ID DWR_RD0900_02_s _ 2012_15 | | | | | | | | | |
| | | Comn | nent Cod | le | | | | | | |
| PI : Pipe | | | | | | | | | | |
| | | | | | | | | | | |
| | Inspector Comment | | | | | | | | | |
| Abandone | Abandoned pipe still remains on the levee slope. | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |



Abandoned pipes and debris were found on the landside of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 3.26 | Rating ** | A/W | Issue No. | 40 | |
|--------------|------------------------------|-------------------|-------|------------|--------|---------------|
| LM End | 5.47 | Issue Type + | Ma | Location * | | |
| Category | Suppleme | ental | | GPS La | atitud | e/Longitude |
| Calegory | | | Start | | End | |
| Item | 2017 Stor | 2017 Storm Damage | | | 28° | 38.508969 ° |
| пеш | | | | -121.5819 | 36° | -121.581681 ° |
| DWR ID | ID DWR_RD0900_02_f _ 2017_40 | | | | | |
| Comment Code | | | | | | |

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:198

Site Designation:RD 900-01 Repair Type: Erosion Rating:Serious Field Date:6/6/2017

Notes: LS, thorny vegetation is present at levee toe/canal. Light grass present along LS slope. Primary use of canal is for drainage, ranges in width 15-25; on average 20ft. RD rep. mentioned permitting has begun to replace drainage canal with 32in pipe for storm drainage to community. 8,600 LF of the LS levee has sloughing of the LS toe access road into drainage canal. There is no imminent threat of losing levee in next storm event. DWR inspector: LMA repaired two landside erosion sites (levee mile 5.26 and 4.63) during fall 2017 inspection.

| LM Start | 3.26 | Rating ** | A/W | Issue No. | 40 (cont) |
|----------|------|--------------|-----|------------|-----------|
| LM End | 5.47 | Issue Type + | Ma | Location * | |

Photo 1 of 8 : SP_2019_RD0900_231_40_20190307_00004.jpg



View of repaired slope instability site. Fall 2018

Photo 2 of 8: LEVAL_SP_2019_198_189.jpg



Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 3.26 | Rating ** | A/W | Issue No. | | 40 (cont) | |
|--------------|---------------------------|-------------------|-----|------------|--------|-------------|---|
| LM End | 5.47 | Issue Type + | Ma | Location * | | | |
| Category | Suppleme | ental | | GPS La | atitud | e/Longitude | |
| Calegory | | Start | | End | | | |
| Item | 2017 Stor | 2017 Storm Damage | | | 28° | 38.508969 | 0 |
| пеш | | | | -121.5819 | 36° | -121.581681 | 0 |
| DWR ID | DWR_RD0900_02_f _ 2017_40 | | | | | | |
| Comment Code | | | | | | | |

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:198

Site Designation:RD 900-01 Repair Type: Erosion Rating:Serious Field Date:6/6/2017

Notes: LS, thorny vegetation is present at levee toe/canal. Light grass present along LS slope. Primary use of canal is for drainage, ranges in width 15-25; on average 20ft. RD rep. mentioned permitting has begun to replace drainage canal with 32in pipe for storm drainage to community. 8,600 LF of the LS levee has sloughing of the LS toe access road into drainage canal. There is no imminent threat of losing levee in next storm event. DWR inspector: LMA repaired two landside erosion sites (levee mile 5.26 and 4.63) during fall 2017 inspection.

| LM Start | 3.26 | Rating ** | A/W | Issue No. | 40 (cont) |
|----------|------|--------------|-----|------------|-----------|
| LM End | 5.47 | Issue Type + | Ma | Location * | |



Photo 4 of 8: LEVAL_SP_2019_198_197.jpg



Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 3.26 | Rating ** | A/W | Issue No. | | 40 (cont) |
|-----------------------|-----------|--------------------------|----------|------------------------|-----|-------------|
| LM End | 5.47 | Issue Type + | Ma | Location * | | |
| Category Supplemental | | | | GPS Latitude/Longitude | | |
| Calegory | | Start | | End | | |
| Item | 2017 Stor | m Damage | | 38.5409 | 28° | 38.508969 |
| item | | | | -121.5819 | 36° | -121.581681 |
| DWR ID | DWR_RD0 | VR_RD0900_02_f _ 2017_40 | | | | |
| | | Comn | nent Coo | le | | |

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:198

Site Designation:RD 900-01 Repair Type: Erosion Rating:Serious Field Date:6/6/2017

Notes: LS, thorny vegetation is present at levee toe/canal. Light grass present along LS slope. Primary use of canal is for drainage, ranges in width 15-25; on average 20ft. RD rep. mentioned permitting has begun to replace drainage canal with 32in pipe for storm drainage to community. 8,600 LF of the LS levee has sloughing of the LS toe access road into drainage canal. There is no imminent threat of losing levee in next storm event. DWR inspector: LMA repaired two landside erosion sites (levee mile 5.26 and 4.63) during fall 2017 inspection.

| LM Start | 3.26 | Rating ** | A/W | Issue No. | 40 (cont) |
|----------|------|--------------|-----|------------|-----------|
| LM End | 5.47 | Issue Type + | Ma | Location * | |

Photo 5 of 8 : SP_2019_RD0900_231_40_20190307_00008.jpg

View of the repaired slope instability site on the landside slope of the levee looking upstream on levee mile 5.26 (38.511915, -121.582167).

Fall 2017

Photo 6 of 8: SP_2019_RD0900_231_40_20190307_00009.jpg



View of the repaired slope instability site on the landside slope of the levee looking downstream on levee mile 5.26 (38.511915, -121.582167). Fall 2017

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 3.26 | Rating ** | A/W | Issue No. | No. 40 (cont) | | | |
|----------|--------------|--------------------|----------|------------|------------------------|---------------|--|--|
| LM End | 5.47 | Issue Type + | Ma | Location * | | | | |
| Category | Supplemental | | | | GPS Latitude/Longitude | | | |
| Calegory | | | | Start | End | | | |
| Item | 2017 Stor | m Damage | | 38.54092 | 28° | 38.508969° | | |
| пеш | | | | -121.58193 | 36 ° | -121.581681 ° | | |
| DWR ID | DWR_RD0 | 900_02_f _ 2017_40 | | | | | | |
| | | Comn | nent Coo | le | | | | |

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:198

Site Designation:RD 900-01 Repair Type: Erosion Rating:Serious Field Date:6/6/2017

Notes: LS, thorny vegetation is present at levee toe/canal. Light grass present along LS slope. Primary use of canal is for drainage, ranges in width 15-25; on average 20ft. RD rep. mentioned permitting has begun to replace drainage canal with 32in pipe for storm drainage to community. 8,600 LF of the LS levee has sloughing of the LS toe access road into drainage canal. There is no imminent threat of losing levee in next storm event. DWR inspector: LMA repaired two landside erosion sites (levee mile 5.26 and 4.63) during fall 2017 inspection.

| LM Start | 3.26 | Rating ** | A/W | Issue No. | 40 (cont) |
|----------|------|--------------|-----|------------|-----------|
| LM End | 5.47 | Issue Type + | Ma | Location * | |

Photo 7 of 8 : SP_2019_RD0900_231_40_20190307_00010.jpg



View of a repaired slope instability site on the landside of the levee looking upstream on levee mile 4.63 (38.52111, -121.582148). Fall 2017

Photo 8 of 8: SP_2019_RD0900_231_40_20190307_00011.jpg



View of a repaired slope instability site on the landside of the levee looking downstream on levee mile 4.63 (38.52111, -121.582148). Fall 2017

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 3.78 | Rating ** | М | Issue No. | | 50 | |
|--------------------------|--------------|----------------|-----------|--------------|-------------|---------------|--|
| LM End | 3.79 | Issue Type + | Ma | Location * | | LS | |
| Category Earthen Levee | | | | GPS La | atitud | e/Longitude | |
| Calegory | | | Start | | End | | |
| Item | Vegetatio | n | 38.5333 | 42 ° | 38.533213 ° | | |
| пеш | | | | -121.5821 | 63 ° | -121.582153 ° | |
| DWR ID | DWR_RD0 | 900_02_s _ 201 | 9_50 | | | | |
| | Comment Code | | | | | | |
| V1 : Contre easements | | grass and wee | eds on th | e levee slop | oes a | and | |

Inspector Comment

No Photos

| LM Start | 4.45 | Rating ** | A/W | Issue No. | | 51 | |
|----------|-----------|------------------------|------|------------|-----|-------------|---|
| LM End | 4.45 | Issue Type + | Ma | Location * | | LS | |
| Category | Earthen L | GPS Latitude/Longitude | | | | | |
| Calegory | | | | | | End | |
| Item | Animal Co | ontrol | | 38.5237 | 07° | 38.523707 | 0 |
| пеш | | | | -121.5820 | 70° | -121.582070 | 0 |
| DWR ID | DWR_RD0 | 900_02_s _ 201 | 9_51 | | | | |

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Monitor rodent activity in the area.

No Photos

| L | _M Start | 5.10 | Rating ** | U | Issue No. | | 54 | |
|---|----------|-----------|----------------|------|------------|-------|--------------|---|
| | LM End | 5.10 | Issue Type + | Ma | Location * | | LS | |
| (| Category | Earthen L | evee | | GPS La | titud | le/Longitude | |
| • | Jalegory | | | | Start | | End | |
| | Item | Slope Sta | bility | | 38.51427 | 78 ° | 38.514278 | 0 |
| | пеш | | | | -121.58219 | 92 ° | -121.582192 | ٥ |
| I | DWR ID | DWR_RD0 | 900_02_s _ 201 | 9_54 | | | | |

Comment Code

S1: Repair slope instability.

Inspector Comment

LMA mitigated 80' of a slip on the landside slope but needs to repair it in the dry season.

Photo 1 of 2: SP_2019_RD0900_231_54_20190327_00057.jpg



View looking north at ~80' landside slip that LMA mitigated. Spring 2019

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 5.10 | Rating ** | U | Issue No. | 54 (cont) | | |
|----------|------------------------|--------------------|----------|------------|-----------|-------------|--|
| LM End | 5.10 | Issue Type + | Ma | Location * | LS | | |
| Category | GPS Latitude/Longitude | | | | | | |
| Calegory | | | | Start | | End | |
| Item | Slope Sta | bility | | 38.5142 | 78° | 38.514278 | |
| пеш | | | | -121.5821 | 92 ° | -121.582192 | |
| DWR ID | DWR_RD0 | 900_02_s _ 2019_54 | | | | | |
| | | Comn | nent Cod | de | | | |

S1: Repair slope instability.

Inspector Comment

LMA mitigated 80' of a slip on the landside slope but needs to repair it in the dry season.



View looking southeast at ~80' landside slip that LMA mitigated. Spring 2019

Photo 1 of 2: SP 2019 RD0900 231 55 20190327 00054.jpg

| LM Start | 5.24 | Rating ** | U | Issue No. | 55 | | |
|----------------------------------|------|--------------|------------------------|---------------|-------------|---------------|--|
| LM End | 5.26 | Issue Type + | Ма | Location * | LS | | |
| Category Earthen Levee | | | GPS Latitude/Longitude | | | | |
| Calegory | | | | Start | | End | |
| Slope Stability | | | 38.512212 ° | | 38.511930 ° | | |
| item | | | | -121.582177 ° | | -121.582187 ° | |
| DWR ID DWR_RD0900_02_s _ 2019_55 | | | | | | | |
| Comment Code | | | | | | | |

S1 : Repair slope instability.

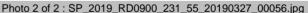
Inspector Comment

Repair slip that is ~100' long and 2-3' deep.

| | a parts | en comments | activistic mention will restrict |
|-----|--|-------------|----------------------------------|
| | Name of Street, or other Designation of the last of th | Selection | |
| | To the second | | CONTRACTOR OF |
| | | | |
| | | | 3 |
| | | | |
| | | | |
| 778 | | | |
| | 3 × 5 | | 35 36 3039 |

View looking northward at 100'-long slip that is roughly 2-3' deep. Spring 2019

LM Start 5.24 Rating ** U Issue No. 55 (cont) LM End 5.26 Issue Type + Ma Location * LS





View looking southward at 100'-long slip that is roughly 2-3' deep. Spring 2019

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0900 West Sacramento

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 5.26 | 03/26/2019 03/26/2019 | Luz Dial |

| LM Start | 5.45 | Rating ** | A/W | Issue No. | | 27 | |
|---|---------------|--------------|------------|------------------------|-------------|---------------|--|
| LM End | 5.45 | Issue Type + | Ма | Location * | LS | | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | | |
| Calegory | | | | Start | | End | |
| Slope Stability | | | 38.509217° | | 38.509217 ° | | |
| item | | | | -121.582140 ° | | -121.582140 ° | |
| DWR ID DWR_RD0900_02_f _ 2018_27 | | | | | | | |
| Comment Code | | | | | | | |
| S1 : Repair slope instability. | | | | | | | |
| Inspector Comment | | | | | | | |
| Monitor area for desiccation cracks on the levee slope. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



View of desiccation cracks on levee. Fall 2018

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement